ZANZIBAR PROTECTORATE.

ANNUAL REPORT

ON THE

AGRICULTURAL DEPARTMENT

FOR THE YEAR

1915.

ZANZIBAR:

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1916.

AGRICULTURAL DEPARTMENT REPORT FOR 1915.

CONTENTS.

		Page.	Table.
Section 1.	General.		
	1. Clove Harvest	45	1,2, & 3.
	2. Copra	45	
	3. Coconut oil	45	9.
	4. Decrees	45	
Section 2.	Crops.		
	1. Clove crop 1915/1916	46	1.
	2. Shipments of cloves	46	4.
	3. Seasonal yields of cloves: Pemba Districts	46	5.
	4. Copra crop	46	8.
	5. Sundry crops:—		
	a. Chillies	46	10.
	b. Gum copal	46	10.
	c. Agricultural Produce and Stock	46	11.
	6. Exports from Pemba shipping places	46	7.
	7. Sales and Purchases of Government Plantations	46	16.
	8. Loans to Arab landowners ...	46	6 (*a*).
	9. Labour	47	
	10. Free Passes	47	6.
Section 3.			
	1. Government Plantations ...	47	17.
	2. Revenue and Expenditure on individual shambas	48	18.
	3. Yields of cloves from principal plantations	48	19.
	4. Grants for Cultivation	48	20.
	5. Clove crop in fraslas, Government Plantations, Zanzibar and Pemba	48	21.
	6. Licencing of coconuts	48	22.
	7. Leased Plantations	48	23.
	8. Fires	48	24.
Section 4.			
	Meteorology	48	12,13,14, & 15.
Section 5.	Public Gardens.		
	Revenue and Expenditure ...	49	25.

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ANNUAL REPORT

ON

THE AGRICULTURAL DEPARTMENT

FOR THE YEAR 1915.

SECTION 1.

General.—In this report, in presenting the figures for the Clove crop of 1915/1916, I am unable to give the complete returns as in previous years because it is not considered desirable to delay the Report until after 30th June 1916, or until such time thereafter as the figures are available. I am therefore, only able to account up to 21st March 1916. However, by that date the bulk of the crop had been disposed of and so far as the Government cloves are concerned all cloves have been sold.

The price of cloves has improved during the year as will be seen from Table No. 2.

The very low proportion of stems to cloves as shown in Table No. 3, can, I think, be explained by the low price of stems during the year. With the heavy crop, no doubt, the majority of shamba owners had all their available space occupied in drying the cloves and did not care to go to any trouble over so unremunerative a product. The cause of the poor price is due chiefly to the difficulty of shipping. Stems occupy more room in proportion to their weight than cloves, therefore, as the latter are more valuable it is only natural that they are given the preference at a time when freights are so scarce.

As regards copra, the price has remained very much the same owing to the difficulties of shipping, referred to in last year's report; an improvement was, however, noticeable towards the close of the year.

Referring to Table No. 9, it will be seen that there is a very considerable increase in the export of coconut and sim sim oil, no doubt, owing to the low price of copra it has been found more profitable to extract the oil here. This ought to be encouraged as increasing the native industries. I believe one of the chief troubles of this trade is that there is practically no sale for the bye-products, that is the "cake", so far its only use has been as a fertilizer.

Decrees.—The Agricultural Produce Decree came into force in June and replaced the Sale of Agricultural Produce Decree of 1909. Further Rules under this Decree came into force in July.

A new Workmen's Breach of Contract Decree was passed in December which repealed the former Decree of 1913.

To enable this measure to be applied to clove pickers, a penalty clause has been added to cover cases of failure to carry out contracts to pick a perishable crop.

Neither of these Decrees has been in force for a sufficiently long period to enable me to say anything very definite as to their working.

One of the chief difficulties with regard to the Agricultural Produce Decree is to get suitable and literate people to keep the chit books. The counterfoils of books returned to this Office and which I have examined, leave much to be desired.

SECTION 2.

Clove Crop 1915/1916.—The crop has been one of the best on record and so far as Pemba is concerned, has only once been exceeded.

The picking period was fairly well extended except at the latter end of the season, when the Weti crop to some extent was ready at the same time as that in Zanzibar and had it not been for the mere coincidence of the recruiting of porters which took place just at the time, a considerable quantity of cloves must have remained unpicked. As it was, however, the people rushed out of town and all the villages to pick cloves in order to escape being called upon to serve as porters.

Table No. 4 shows the destination of cloves shipped from Zanzibar. It will be observed that the total shipments are higher than other years.

Copra Crop.—Table No. 8 shows the exports of copra which was produced in the Protectorate. It will be seen that the export in 1915 is the highest recorded.

Table No. 5 is interesting as showing the seasonal yields of the Pemba Districts.

There is a decrease in the amount of copra exported, whilst the oil palm industry appears to be declining rapidly.

I have remarked elsewhere on the very considerable increase in the value of coconut oil exported in 1915. This is shown in Table No. 9.

Sundry Crops.—Table No. 10 shows the amount of chillies and gum copal exported from 1905 to 1915 inclusive.

Table No. 11 gives the imports of various kinds of Agricultural Produce and Stock.

Table No. 7 gives the exports from the various shipping places in Pemba.

Table No. 16 is a statement of Sales and Purchases of shambas by the Government in recent years.

Loans to Arab Land Owners.—As was to be expected with the

heavy clove harvest in Pemba, a large number of people applied for loans. In all 623 loans were made amounting to Rs. 41,520, see Table No. 6 (a). Very nearly all this has now been refunded without trouble.

Labour.—The picking went on with wonderful smoothness, particularly in Zanzibar. There is no doubt that the porter recruiting was greatly responsible for this, as also for the low prices paid for picking. On the Government shambas the price paid never exceeded 5 pice a pishi and this only for about two weeks at the end of the harvest when cloves got scarce and were all at the tops of the trees.

Free Passes.—The number of free passes issued to clove pickers going to Pemba was 8,777, this total has only once been exceeded, see Table No. 6.

Some trouble was caused by the pickers returning to Zanzibar by paying their own passages, after having been in Pemba for ten days. or even in some few cases, I believe, they actually came back by the same boat on which they went up; and they never picked cloves at all. This was quite a new departure and had not been foreseen.

In order to prevent this in future it is necessary to have better organization for the receiving and distribution of the pickers when they arrive at the Pemba ports; at present when they arrive, they are free to go where they like. It is suggested, and I think with reason, that each person sent up to Pemba by the Government free, should be able to show that he has picked at least three weeks before being allowed to return. A mode of action has already been decided upon and will be put into operation at the beginning of the next harvest.

The number of clove pickers returning from Pemba with free passes was only 329: all the rest paid their own return passages.

SECTION 3.

Government Plantations.—The returns from the Government Plantations for 1915 are the highest on record. Referring to Table No. 17 it will be seen that they more than cover the working expenses of the whole Department. This is chiefly due to the very good clove harvest, the low price of picking and the comparatively good price of cloves, taking into consideration war conditions.

In connection with the picking of cloves on Government shambas, it has always been the policy of the Director of Agriculture to encourage the large numbers of people living on our town shambas especially, to pick cloves rather than to pay ground rent. It has taken a large amount of patient and careful organization to get all the houses numbered and their owners registered. The people themselves have always been very suspicious of the intentions of the Government in this respect. The idea of having their rents remitted, if they picked cloves, was not at first believed in. However it has

now become much better understood, and it is seen that those who pick cloves actually do get their ground rents remitted: during the last harvest there was a large increase in the numbers of people who went to pick on our shambas and the wisdom of this policy was strikingly illustrated. When the people are there and ready to go to the various large shambas at a few days' notice without having to make contracts and advance money, it is a great asset.

Owing to the amount of litigation, trouble and loss caused by defaulting coconut licencees, it was decided that the system of public bidding for the various shambas, adopted in previous years, be discontinued in 1916 as it affords so little opportunity of ascertaining anything whatever of the financial status of the bidders. Tenders were advertized for in the Government Gazette and each bidder, unless he was well known as a reliable man, had to give some proof of his stability. It remains to be seen whether this system is any better than that in use previously.

Table No. 18 shows receipts and expenditure on individual shambas for the year 1915.

Table No. 19 shows the yields of cloves from the principal Government Plantations for the season 1907/1908 onwards.

Table No 20 shows the grants for cultivation from 1903 to 1915 for the Zanzibar shambas. An additional grant of Rs. 3,060 was made towards the end of the year to enable some weeding to be done upon those shambas which it was not possible to cultivate earlier in the year as explained in the report for 1914.

Table No. 21 shows the clove crops in fraslas from the Government Plantations both in Zanzibar and Pemba. Although the figures were only obtainable up to 21st March, they show the true state of the crop, as all the cloves had been sold. Only a few bags of stems from Pemba remained unsold.

Table No. 22 gives the rent received for the licencing of the coconuts from 1910 to 1916 inclusive.

Table No. 23 is a list of the leased plantations of the Government. During the year three of these came back, viz, Kibweni (Part 2), previously leased to Said bin Hamed for Rs. 725 per annum, Mpaka Dutch leased to Juma Thanu for Rs. 10 per annum and Kilimani leased to Khushal Narsi for Rs. 60 per annum. These are now taken over by the Department.

Table No. 24 shows the extent of damage to the trees on the Government Plantations caused by fires from the year 1912 to 1915 inclusive. Last year we were particularly fortunate in this direction, very little damage was done.

SECTION 4.

Meteorology.—Tables Nos. 12, 13, 14 and 15 give particulars of the meteorological observations in the two Islands.

The Town station is in charge of Dr. Copland and the returns from the Banani station in Pemba are furnished by the Friends' Industrial Mission. The Weti station is under this Department: and the returns from Mkokotoni and Chwaka are provided by the respective Assistant District Commissioners; those from Kigomache are sent by Port Office observer at the light-house in the north of Pemba.

SECTION 5.

Public Gardens.—Table No. 25 gives the Revenue and Expenditure of the Public Gardens Department.

The Victoria Gardens and Hall were used free of charge on two occasions during the year for holding carnivals to raise money for the Red Cross Society.

The Recreation Park which has been placed under this Department has proved very popular as a recreation ground. Three foot-ball playing areas have been pegged out and are used every afternoon. A cricket pitch has recently been laid down and will be ready for use after the spring rains. Three grass plots edged by crotons, have been laid down at Kidutani opposite the Health Office and are a great improvement to that part of the Town.

R. ARMSTRONG,
Acting Director of Agriculture.

Zanzibar, 22nd April, 1916.

Table 1.

Course of harvest and deliveries compared with former years.

Months.	1904/05 Zanzibar * fras.	1904/05 Pemba fras.	1904/05 Total fras.	1905/06 Zanzibar fras.	1905/06 Pemba fras.	1905/06 Total fras.
July ..	4541	73	4614	3082	21555	24637
August ..	7238	13093	20331	2241	19010	21251
September ..	6142	71219	77361	1625	14290	15915
October ..	4466	114307	118773	7720	10581	18301
November ..	5678	10793	86471	11679	12355	24930
December ..	6436	95689	102125	18284	17175	35459
January ..	9193	91023	100216	48125	21765	69890
February ..	13644	51051	64705	28884	4738	33622
March ..	9951	51432	61383	17023	2720	19743
April ..	4793	30041	34834	9762	1758	11520
May ..	4786	27473	32258	10789	1817	12606
June ..	4435	28014	32449	19221	1971	21192
Total ..	81213	584208	665521	178435	130635	309070

Months.	1906/07 Zanzibar fras.	1906/07 Pemba fras.	1906/07 Total fras.	1907/08 Zanzibar fras.	1907/08 Pemba fras.	1907/08 Total fras.
July ..	6178	856	7034	13416	10540	23956
August ..	4015	4058	8073	40292	73950	114242
September ..	4539	36824	41363	45812	124007	169819
October ..	7381	54575	61966	33185	114975	148160
November ..	19243	51618	70861	21904	55261	77165
December ..	14032	26516	40548	15975	38818	54793
January ..	4379	15225	19604	10101	30365	40466
February ..	1367	5427	6794	7407	22684	30091
March ..	1232	5580	6812	7557	27944	35501
April ..	400	1027	1427	6477	16214	22691
May ..	109	1302	1411	6145	17754	23899
June ..	129	488	617	5391	9481	14872
Total ..	63004	203496	266500	213662	541993	755655

Months.	1908/09 Zanzibar fras.	1908/09 Pemba fras.	1908/09 Total fras.	1909/10 Zanzibar fras.	1909/10 Pemba fras.	1909/10 Total fras.
July ..	5102	15043	20143	3458	10222	13680
August ..	5934	15222	21156	960	4876	5836
September ..	7534	15929	23463	2133	14847	16980
October ..	15182	20384	53566	3073	32952	36025
November ..	31012	45898	76910	7728	38416	46144
December ..	34003	63029	97032	17906	59509	77415
January ..	34944	100499	135443	34652	62106	96758
February ..	13270	81934	95204	24373	36043	60416
March ..	5352	38924	44276	9196	12558	21764
April ..	3438	21044	24482	3600	9130	12730
May ..	2987	11654	14641	1665	11460	13125
June ..	6969	20131	27001	934	7928	8862
Total ..	165727	449691	615418	109678	300047	409725

* One frasla equal to 35 lbs.

Table 1.

Course of harvest and deliveries compared with former years.—(*contd.*)

Months.	1910/11 Zanzibar * fras.	1910/11 Pemba fras.	1910/11 Total fras.	1911/12 Zanzibar fras.	1911/12 Pemba fras.	1911/12 Total fras.
July ..	1519	3113	4632	623	1527	2150
August ..	1054	6334	7388	9248	12642	21890
September ..	2292	25018	27312	17906	64671	82577
October ..	3869	18290	22159	17482	130651	148133
November ..	5992	16601	22593	19024	134417	153441
December ..	4661	12844	17505	17357	74940	92297
January ..	7904	19534	29238	54928	60448	115376
February ..	15986	18204	34190	31081	35580	66661
March ..	4441	8167	12608	21616	22277	43893
April ..	960	2581	3541	16398	19473	35871
May ..	368	5282	5650	9715	13737	23452
June ..	1148	3339	4487	1129	11790	12920
Total ..	50196	193307	189503	216507	582153	798660

Months.	1912/13 Zanzibar fras.	1912/13 Pemba fras.	1912/13 Total fras.	1913/14 Zanzibar fras.	1913/14 Pemba fras.	1913/14 Total fras.
July ..	1567	4466	6023	31445	1634	33079
August ..	771	6926	7697	22930	42571	65501
September ..	2834	24252	27086	9203	111086	120289
October ..	5549	20754	26303	11009	160353	171362
November ..	3048	13719	16768	15511	100476	115987
December ..	2338	5348	7687	13797	52311	66108
January ..	3900	18425	22326	14941	50636	65577
February ..	1091	4317	5409	9743	39089	48832
March ..	1002	3288	4290	6820	33066	39886
April ..	172	2185	2357	4135	17885	22020
May ..	139	330	469	4257	20617	24874
June ..	8607	358	8965	1795	8370	10165
Total ..	31018	104368	135386	145586	638094	783680

Months.	1914/15 Zanzibar fras.	1914/15 Pemba fras.	1914/15 Total fras.	1915/16 Zanzibar fras.	1915/16 Pemba fras.	1915/16 Total fras.
July ..	8193	16044	24237	2194	10832	13026
August ..	8276	9178	17454	2688	5276	7964
September ..	7303	27005	34308	9518	35067	44585
October ..	12093	39765	51858	13097	85877	98974
November ..	11533	31144	42667	17054	143110	160164
December ..	22622	31810	54432	22381	143731	166112
January ..	50421	51247	101668	29875	107908	137783
February ..	32996	48397	81393	21494	6 955	82449
March ..	20192	38447	58639	12442	27010	39452
April ..	12276	17632	29908	..	..	..
May ..	6132	9398	15540	..	..	..
June ..	2883	11322	14205	..	..	..
Total ..	194920	331389	526309	130743	619766	750509§

* One frasla equal to 35 lbs.
§ To 21st March, 1916.

Table 2.

Average price of Cloves and Stems.

	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916†
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Zanzibar Cloves	10 3 6	9 2 0	8 8 9	11 4 3	12 5 3	14 5 0	14 5 3	10 6 6	9 7 6	10 0 6
Pemba „	9 9 0	8 8 0	8 3 6	10 15 3	10 3 6	13 8 3	14 5 3	9 14 9	8 14 9	9 5 6
Stems	2 6 0	2 6 0	2 0 9	3 0 0	3 0 0	3 14 9	4 5 9	2 8 3	1 3 6	0 13 9

† To the 25th March, 1916.

Table 3.

Proportions between the seasonal yields of cloves and stems.

Season	Cloves fras.	Stems fras.	% of stems to cloves.
1904/05	635568	124242	19½
1905/06	308950	78248	25
1906/07	266512	48307	18
1907/08	755634	153562	20
1908/09	614630	121156	19½
1909/10	409925	84547	25
1910/11	192407	38320	20
1911/12	798663	161187	20
1912/13	135391	28389	21
1913/14	783680	145932	18½
1914/15	526309	64179	12
*1915/16	750509	63787	8½

* To 25th March, 1916.

Table 4.

Export of Cloves to different Continents from 1910* to 1915 inclusive. (in pounds weight.)

Continent	1910	1911	1912	1913	1914	1915
Europe ...	4800676	7844338	6067460	8789644	5707601	9270001
America ...	1096215	3510877	2576520	1975518	3499917	4494299
Asia ...	6758239	8706247	6539807	6772530	7657767	11525332
Africa ...	128019	199921	68157	275047	105123	135822
Total ...	12783149	20261383	15251944	17812739	16970408	25425454

* Figures for previous years are given in my 1910 Annual Report.

Table 5.

District Seasonal Yields in Pemba from 1907-08 to 1913-14.

	Cloves			Copra			Oil-palm		
	Clove season: 1st July to 30th June			1st January to 31st December			1st January to 31st December		
	Weti	Ch-Chake	Mkoani	Weti	Ch-Chake	Mkoani	Weti	Ch-Chake	Mkoani
	fras.	fras.	fras.	fras.	fras.	fras.	fras.	fras.	fras.
1907/08	204739	No record	47333	76627	29668	20248	No record	22	193
1908/09	185915	„ „	81284	67445	51199	39425	1343	254	597
1909/10	118277	.. ..	124589	60552	45575	31834	744	188	110
1910/11	42450	31116	46765	81545	35160	23333	2362	124	1154
1911/12	229722	128908	220476	79728	38720	38216	778	65	589
1912/13	18873	29173	52543	76644	38762	94373	2505	30	642
1913/14	169791	190600	301706	105155	48805	30195	893	32	352
1914/15	194978	55629	84166	86666	33892	35487	479	...	146

Table 6.

Return of Free Passes issued to Clove-pickers going to Pemba by Government Steamers.

Year	Town	Mkokotoni	Total
1907	...	...	3694
1908	...	...	3393
1909	...	...	5495
1910	...	...	806
1911	4164	3788	7952
1912	177	63	240
1913	7083	4237	11320
1914	720	73	793
1915	5061	3716	8777

Table 6 *a*.

Advances to Arab land-owners for clove-picking.

District	1915		1916	
	Number of people	Amount Rs.	Number of people	Amount Rs.
Weti	322	21330	1	300
Chake-Chake	183	12020	3	100
Mkoani	118	8170	...	...
	623	41520		

Table 7.

Exports from Pemba Shipping Places, 1915.

Port		Cloves		Copra		Rubber	
Name	District	Fraslas	District Total	Fraslas	District Total	Fraslas	District Total
Weti	Weti	164655		37972		...	...
Mtambwe	,,	25072		5213		...	...
Junguni	,,	12992		6789		...	...
Mtangatwani	,,	21738		10725		...	...
Msuka	,,	11126	235583	25968	86667	...	...
Chake-Chake	Chake-Chake	146913		33892		...	...
Kiswani	,,	46330	193243	6040	39932	...	...
Jambagombe	Mkoani	79069		6227		...	...
Mkoani	,,	26732		8994		...	...
Fufuni	,,	40228		6493		...	...
Kengeja	,,	46693	192722	7733	29447	...	...

Note:—Kisiwani is in Chake-Chake district but its exports and imports pass through the Mkoani Port Office on account of the Chake-Chake creek.

Table 8.

Exports of copra and palm-kernel (produced in the Protectorate) for past 11 years, and average price per frasila of 35 lbs.

Year	lbs.	Average price per frasila of 35 lbs. Rs.	cts.
1905	17003727	2	75
1906	17279081	3	24
1907	13283420	3	76
1908	18419409	2	70
1909	13449082	3	26
1910	16899201	4	14
1911	18167835	4	00
1912	16672812	4	19
1913	16604611	4	85
1914	18983047	3	87
1915	19231521	3	73

Table 9.

Export of Coconut and Sim-Sim oil from 1904 to 1915 inclusive.

Year	Value Rs.
1904	49492
1905	61543
1906	46860
1907	67423
1908	10280
1909	32662
1910	30902
1911	54673
1912	49159
1913	35918
1914	23551
1915	115690*

*Note:—South Africa ... Rs. 108460
Asia ... „ 7060
Europe ... „ 170

115690

Table 10.

Export of Chillies and Gum-copal for the past 11 years.

Year	Chillies lbs.	Gum-copal lbs.
1905	183630	227704
1906	239051	256435
1907	86060	223305
1908	38404	262184
1909	94929	263204
1910	155788	216671
1911	92625	169261
1912	104720	215632
1913	76513	164159
1914	101183	98035
1915	78730	130378

Table 11.

Statement of Imports (not re-exported) of Agricultural Produce and Stock for the past 12 years.

Article.	1904 Rs.	1905 Rs.	1906 Rs.	1907 Rs.	1908 Rs.	1909 Rs.	1910 Rs.	1911 Rs.	1912 Rs.	1913 Rs.	1914 Rs.	1915 Rs.
Rice ..	1458618	1700374	1733193	2459321	4319449	3440142	2845509	3493959	4072084	3764600	2049415	2023066
Maize ..	10364	27032	26850	38566	42091	34784	21260	25684	33010	32733	26457	32149
Sugar ..	278498	270750	284482	425774	461636	569453	515962	549276	622302	635259	443563	496676
Timber ..	26984	102336	127684	96480	124750	111255	53462	112821	125862	139221	90247	29976
Cattle ..	148971	145568	146130	155429	175809	191067	159665	199257	221387	177016	100695	139575
Sheep and Goats ..	144027	131844	104665	122562	168428	149333	116022	163152	188694	122008	102289	129938
Horses ..	12395	7175	..	5135	6345	600	200	3417	2200	500	4855	..
Donkeys ..	21928	7431	7932	17224	14245	9605	8022	11514	14002	15416	..	..
Tobacco ..	75560	102180	97137	152808	127927	89576	136857	112802	160461	207205	109829	236234

Table 12.

Meteorological Observations, Town Station, 1915.

Month	Air Temperature							Rain-fall			
	Means of		Absolute Max. & Min.				Relative				
	Max.	Min.	Max.	Date	Min.	Date	Humidity	Total	Max.	Date	No. of rainy days
January ..	87·5	80·2	89·7	31st	77·9	5th	74	1·74	0·81	5th	9
February ..	88·4	80·3	91·4	8th	76·5	12th	76	0·76	0·52	9th	3
March ..	89·0	80·5	94·9	7th	77·0	27th	77	6·02	1·90	19th	11
April ..	87·2	78·8	91·2	3rd	75·5	22nd	81	9·62	2·33	22nd	19
May ..	84·7	77·0	89·4	5th	74·1	30th	80	10·30	2·28	8th	17
June ..	83·0	74·9	84·7	9th	73 1	17th	82	5·00	1·87	7th	10
July ..	82·4	73·8	84·2	23rd	70·6	28th	82	3·94	1·11	10th	11
August ..	83·0	73·3	85·7	30th	72·1	8th	77	0 45	0·18	30th	5
September ..	84·3	74·6	86·7	14th	73·0	8th	76	1·17	0·86	9th	7
October ..	84·8	75·5	89·1	24th	73·6	8th	76	2·63	1·72	30th	10
November ..	85·9	76·9	88·3	29th	72·4	27th	77	9·38	4·37	27th	11
December ..	88·0	80·0	89·5	10th	76·9	20th	75	0·61	0·17	13th	9
Total ..	85·7	77·1	94·9	7-3-15	70·6	28-7-15	78	51·62	4·37	27-11-15	122

Table 13.

Meteorological Observations, Banani, Pemba, 1915.

Month	Air Temperature.				Rain-fall.			
	Means of		Absolute	Absolute				
	Max.	Min.	Max.	Min.	Total	Max.	Date	No. of rainy days
January ...	85·0	72·9	88·0	70·0	1·82	0·58	2nd	15
February ...	86·7	74·0	90·0	70·0	0·14	0·12	9th	3
March ...	87·0	73·1	91·0	76·0	4·49	2·50	27th	12
April ...	83·0	70·8	87·0	68·5	20·17	2·83	27th	24
May ...	78·1	70·0	84·0	66·0	24·20	3·60	7th	26
June ...	78·0	69·3	80·0	66·0	7·72	1·25	2nd	29
July ...	78·2	68·5	81·0	66·0	1·24	0·24	1st	14
August ...	78·9	67·9	80·0	64·0	0·72	0·27	6th	10
September ...	80·1	67.0	83·0	65·0	0·48	0·19	3rd	6
October ...	80·9	67·8	85·0	64·3	2·18	0·58	21st	11
November ...	82·1	70·3	85·0	69·0	2·97	0·67	26th	14
December ...	84·4	71·7	88·0	69·0	1·80	0·70	11th	12
Total ...	81·9	70·3	91·0	64·0	67·93	3·60	7-5-15	176

Table 14.

Rain-fall Returns at District Stations, 1915.

Month	Weti				Kigomache				Mkokotoni				Chwaka			
	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days	Total	Max.	Date	No. of rainy days
January ..	0·73	0·19	17th	7	0·55	0·55	17th	1	1·69	1·56	3rd	3	1·77	1·30	3rd	7
February ..	0·05	0·05	10th	1	0·13	0 05	9th	4	0·33	0·27	9th	2	3·96	2·18	10th	3
March ..	7·19	2·05	9th	8	4·14	1·94	28th	7	4·08	0·90	27th	14	5·52	1·36	10th	11
April ..	14·75	1·55	16th	25	8·05	1·18	26th	15	14·31	2·83	17th	25	13·86	2·50	22nd	12
May ..	25·81	4·56	7th	24	22·04	3·94	22nd	22	10·41	2·90	8th	18	11·00	2·54	8th	17
June ..	8·45	1·54	2nd	23	8·95	1·65	2nd	20	4·98	2·04	7th	15	7·64	1·83	1st	15
July ..	1·54	0·31	22nd	10	3·98	1·63	23rd	14	3·95	0·74	2nd	19	3·04	0·52	18th	13
August ..	0·92	0·38	3rd	6	2·68	1·09	14th	12	1·24	0·29	3rd	9	0·78	0·37	22nd	3
September ..	0·79	0·40	12th	4	2·86	0·73	7th	16	3·78	1·06	16th	15	0·00	0·00	..	..
October ..	2·37	0·80	27th	4	3·97	0·74	25th	11	2·49	0·91	21st	9	1·61	0·95	20th	5
November ..	9·67	2·70	22nd	18	5·01	0·95	25th	10	4·21	1·93	2nd	11	0·00	0·00	..	..
December ..	1·36	0·40	6th	5	0·63	0·33	9th	3	1·40	0.45	23rd	5	0·93	0·70	4th	2
Total ..	73·63	4·56	7-5-15	135	62·99	3·94	22-5-15	135	52.87	2·90	8-5-15	145	50·11	2·54	8-5-15	88

Table 15.

Average Mean Temperature, Zanzibar.

Year.	Maximum	Minimum.
1909	84·9	75·9
1910	84·4	76·4
1911	84·3	76·3
1912	85·2	76·6
1913	84·9	76·4
1914	86·2	77·5
1915	85·7	77·1
	* 85·1	* 76·6

* Average for 7 years 1909-1915.

Table 16.

Statement showing properties purchased and sold.

SALES

ZANZIBAR

Shamba	Amount Rs.
Miwaleni	2,710
Kidote	8,000
Kinuni (Welezo)	988
Donge Proper	16,600
Mwanda (Donge)	1,200
Msalani ,,	550
Bondeni ,,	300
Mtuba ,,	55
Mwanakwerekwe	8,150
Kikangoni Mkubwa	1,000
Miwani Ndogo	900
Total	40,453

SALES

PEMBA

Shamba	Amount Rs.
Ugoe	3,000
Mchangani Pujini	300
Ngezi Verani	175
Gando Proper	1,100
Gando Vikutani	850
Ngezi Mtemani	330
Gando Kiungani	480
Konde	500
Total	6,735

Grand Total Rs. 47,183

PURCHASES

Shamba	Amount Rs.
Mazizini	2,500
do	2,000
Dunga pieces	320
Tundaua	3,000
Chukwani	300
Mianzini	500
Total ...	8,620

Table 17.

Revenue and Expenditure, 1915.

Revenue.

Sub-head		Estimate	Actual
		Rs.	Rs.
Cloves	...	1,09,000	1,77,977
Coconuts	...	52,000	74,964
Rubber	...	6,000	1,184
Miscellaneous	...	4,100	2,014
Rent of Leased Plantations	...	...	19,686
Lands	...	...	2,894
Quarries	...	...	22
Land sales	...	...	3,322
Total	...	1,71,100	2,82,063

Expenditure.

Sub-head		Estimate	Actual
		Rs.	Rs
Personal Emoluments	...	69,411	62,510
Cultivation (Bearing Trees)	...	55,500	58,027
Cultivation (Young Trees)	...	7,500	7,495
Clove-harvest	...	29,000	55,439
Coconut Gathering	...	800	1,925
Rubber collection	...	2,800	...
Travelling Expenses	...	2,190	3,022
Contingencies	...	2,375	2,362
Maintenance of Plantation houses	...	1,900	1,668
Nursery	...	2,500	2,468
Sundry	...	7,890	8,830
Total	...	1,81,866	2,03,746

Table 18.

Receipts and Expenditure of individual Shambas, 1915.

Shamba.	Stock. Cloves. No. Bearing.	Cloves. No. Young.	Coconuts. No. Bearing.	Coconuts. No. Young.	Expenses. Supervision and labour. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Receipts. Cloves. Rs.	c.	Coconuts. Rs.	c.	Sundry. Rs.	c.	Total. Rs.	c.	Remarks.
Basra ..	10765	4129	1787	1573	8841	41	591	38	9432	79	2 456	85	1968	75	25	00	22 50	60	
Bet-el-Mal Kubwa ..	246	..	6213	1177	..	..	..	..	..	..	..	..	..	..	2600	00	2600	00	Leased. Rent Rs. 2,600
Bet-el-Mal Ndogo ..	156	59	298	532	..	..	..	..	..	..	..	..	..	..	340	00	340	00	Leased. Rent Rs. 340
Bet-el-Ras ..	332	..	4585	5747	2646	01	529	91	3175	92	..	..	6601	63	186	38	6788	01	
Bomani ..	..	..	1149	2478	98	87	..	..	98	87	..	..	1003	13	16	92	1020	05	
Bumbwi Mbuyuni ..	1500	1860	234	859	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Bumbwi Sudi ..	676	3153	794	1716	2529	96	175	72	3715	08	4734	53	562	50	..	..	4927	03	
Chuini ..	..	..	1479	4405	291	74	21	00	312	74	..	..	1331	50	95	75	1427	25	
Chwaka ..	..	..	314	213	29	61	0	50	30	11	..	..	179	97	15	00	194	97	Rent of leased. plot Rs. 15.
Chukwani ..	..	..	6080	17673	4726	95	238	80	4965	75	..	..	4247	55	339	69	4587	24	
Darajani and Market ..	1860	37	1094	1836	..	..	..	..	..	..	..	..	12	20	900	00	912	20	Darajani leased. Rent Rs. 900
Dunga ..	3090	1791	3746	6181	8283	96	1481	48	9765	44	12030	50	4063	19	51	42	16145	11	
Gulioni ..	..	..	7	4	..	..	0	59	0	59	..	..	17	19	..	..	17	19	
Kama ..	17	..	926	2173	..	..	16	00	16	00	..	..	..	..	438	13	438	13	Leased. Rent Rs. 425
Kibonde Mzungu ..	1746	..	3121	1514	3012	02	218	44	3230	46	1462	81	2181	60	57	00	3704	41	
Kichwele ..	203	..	119	34	60	00	..	..	60	00	..	..	46	88	..	..	46	88	
Kidichi ..	2572	1020	5198	5957	5174	59	597	79	6372	38	3653	28	6528	94	879	75	11061	97	Kibweni leased. Rent Rs. 793-75 lease expired on 26-9-15.
Kibweni ..	10	..	872	1802	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kitope ..	6012	7603	1048	14348	3209	54	1243	31	4452	85	7449	80	1471	88	47	53	8969	21	
Pangeni and Ngonjoni ..	..	412	995	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kilimani and Mkuajuni.	..	..	153	525	118	17	..	..	118	17	..	..	310	63	140	88	451	51	Rent of leased plot Rs. 60.
Kinaoni ..	2283	1969	2744	3383	..	..	..	..	..	..	..	..	..	..	2200	00	2200	00	Leased. Rent Rs. 2,200.
Kinuni Mdo ..	880	1001	858	2450	120	00	96	00	216	00	..	..	1097	58	45	00	1142	58	
Kinuni Moshi ..	1313	930	272	4330	2894	06	202	17	3096	23	2347	25	2 9	07	31	00	2617	32	
Kipange ..	3722	2968	399	1913	2725	33	140	41	2865	74	3006	67	487	50	12	00	3506	17	
Kisaoni ..	4	..	2700	596	129	32	170	00	299	32	..	..	3401	32	71	80	3472	32	
Kizimbani Kubwa ..	5595	3746	1709	3785	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kizimbani Ndogo ..	110	122	726	1159	6415	28	326	63	6741	91	7761	31	3600	02	79	53	11440	85	Treated as one plantation.
Bumbwi Kizimbani ..	2214	1479	437	1913	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Marseilles ..	7374	2575	3945	11147	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

Table 18.

Receipts and Expenditure of individual Shambas, 1915.—*(continued).*

Shamba	Stock				Expenses						Receipts								Remarks.
	Cloves		Coconuts		Supervision and labour		Sundry		Total		Cloves		Coconuts		Sundry		Total		
	No. Bearing	No. Young	No. Bearing	No. Young	Rs.	c.	Rs.	c.	Rs.	c.	Rs.	c.	Rs.	c.	Rs.	c.	Rs.	c.	
Manyami ..	3148	2262	529	1197	15880	36	2162	77	18043	13	14123	49	6991	50	1096	00	22210	99	Treated as one plantation.
El-Hathra ..	3052	4345	725	4128	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kitumba ..	845	431	2398	1146	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Kitumba leased. Rent Rs. 900
Mlango Kubwa ..	6313	3678	1171	6532	7254	14	440	45	7694	59	9980	81	1668	76	3	00	11652	57	Treated as one plantation.
Mlango Ndogo ..	3936	2689	398	1461	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Mbaleni Kubwa ..	6474	3556	822	2693	4336	35	183	64	4519	99	2375	15	969	69	84	00	3428	84	
Mbaleni Ndogo ..	4289	3189	888	1530	1500	26	235	09	1735	35	1692	00	637	50	31	00	2360	50	
Mahonda ..	6020	4848	1325	4610	4735	28	164	72	4900	00	7366	31	1218	75	92	50	8677	56	
Marhubi ..	222	...	1972	3431	3798	23	274	51	4072	74	..	..	2681	24	134	95	2816	19	Treated as one plantation.
Marhubi Garden ..	...	..	204	1165	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Mkanyageni ..	6031	3509	642	1921	5363	27	354	66	5722	93	10681	79	732	37	5	50	11419	66	
Mpaka Dutch ..	..	...	...	..	..	...	...	..	...	..	...	...	..	...	11	68	11	68	Leased. Rent Rs. 10.
Mpapa ..	45	211	3167	6258	..	..	...	...	..		...	...	...	..	2000	00	2000	00	Leased. Rent Rs. 2000.
Mangapwani ..	...	...	4 3	4	151	87	..	..	151	87	..	...	700	00	..	...	700	00	
Mkokotoni ..	...	...	605	886	180	00	2	92	182	92	..	..	854	52	..	...	854	52	
Mtoni	106	...	5020	6967	5223	47	373	46	5596	93	1133	01	4901	48	301	83	6336	32	
Miwani ..	30	2100	1334	7168	601	00	...	...	601	00	..	...	1610	36	6	00	1616	36	
Mianzini ..	..	...	110	717	112	50	66	90	179	40	...	..	290	63	203	80	494	43	
Mwembeladu ..	...	..	1005	3419	...	..	3	68	3	68	..	...	..	..	1421	21	1421	21	Leased. Rent Rs. 700.
Mkunguni ..	...	...	1473	5495	..	..	..	..	..	..	..	..	..	..	750	00	750	00	Leased. Rent Rs. 600.
Migombani ..	90	...	350	468	1037	60	50	32	1087	92	207	16	598	69	571	82	1377	67	Including Migombani Gardens & Wireless Station.
Mgongowagamia ..	2223	1324	429	1695	2421	56	202	13	2623	69	4638	80	337	12	6	00	5011	92	
Mwera Bridge and Kidogobassi ..	4	..	83	27	..	..	..	..	..	..	..	..	..	..	195	00	195	00	Leased.
Mazizini ..	61	..	579	4202	192	52	176	10	368	62	161	80	2243	19	169	64	2580	63	
Nyanjalle ..	164	..	1309	3 91	..	..	..	..	..	..	..	..	..	..	695	25	695	25	Leased. Rent Rs. 675.
Nyamgombe ..	10	..	724	260	33	74	109	07	142	81	..	..	961	81	51	00	1012	18	
Pigaduli ..	..	..	..	..	...	...	...	..	..	..	..	...	14	01	..	..	14	01	
Sebleni ..	..	..	225	5262	108	17	97	63	203	80	..	...	192	16	120	00	312	16	Leased. Rent Rs. 30.
Selem ..	10756	6084	4137	13078	11853	65	1699	90	13553	55	20112	72	6100	80	206	96	26420	48	
Saateni ..	..	..	..	..	..	..	..	..	..	..	..	..	...	..	480	45	480	45	Ground rent receipts only.
Walezo and Chumbuni.	114	15	645	579	96	00	..	..	96	00	..	..	142	04	0	50	142	54	
Ziwani ..	276	350	1021	14	164	37	92	66	257	03	..	..	390	21	99	50	489	71	

Table 19.

Table showing clove-yields from principal plantations from Seasons 1907/08 to 1915/16 (to the end of March 1916).

1907/08

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	934	142	2·77	15·20
Basra ..	10765	886	155	3·38	17·49
Dunga ..	3090	467	75	6·10	16·06
Mahonda ..	6020	84	15	·57	17·86
Mkanyageni ..	6060	708	77	4·53	10·87
Mbaleni Kubwa ..	6474	147	30	·96	20·40
Mbaleni Ndogo ..	4443	302	38	2·67	12·58
Kitope ..	6899	230	38	1·35	16·52
Kipange ..	3722	332	17	3·28	5·12
Mlango Kubwa and Ndogo ..	10249	1061	197	4·29	18·56
Fufuni ..	10593	1300	210	4·99	16·15

1908/09

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	3146	588	3·62	18·69
Basra ..	10765	973	162	3·69	16·64
Dunga ..	3090	545	77	7·04	14·12
Mahonda ..	6020	454	84	3·12	18·50
Mkanyageni ..	6060	661	54	4·12	8·16
Mbaleni Kubwa ..	6474	455	67	2·87	14·40
Mbaleni Ndogo ..	4443	631	107	5·81	16·95
Kitope ..	6899	1275	217	7·56	17·01
Kipange ..	3722	568	104	6·31	18·30
Mlango Kubwa and Ndogo ..	10249	859	92	3·24	10·71
Fufuni ..	10593	2247	438	8·87	19·49

1909/10

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	563	77	1·65	13·67
Basra ..	10765	573	63	2·06	10·99
Dunga ..	3090	204	40	2·76	19·60
Mahonda ..	6020	806	110	5·29	13·75
Mkanyageni ..	6060	570	90	3·81	15·78
Mbaleni Kubwa ..	6474	444	60	2·72	13·51
Mbaleni Ndogo ..	4443	255	33	2·26	12·94
Kitope ..	6899	198	32	1·16	16·16
Kipange ..	3722	99	18	1·10	18·18
Mlango Kubwa and Ndogo ..	10249	667	87	2·57	13·04
Fufuni ..	10593	263	55	3·03	20·91

1910/11

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs per tree	% of stems to cloves
Marseilles ..	13574	202	33	·60	16·33
Basra ..	10765	71	15	·27	21·12
Dunga ..	3090	23	5	·31	21·73
Mahonda ..	6020	145	22	·97	15·17
Mkanyageni ..	6060	258	23	1·62	8·91
Mbaleni Kubwa ..	6474	127	20	·79	15·74
Mbaleni Ndogo ..	4443	99	17	·91	17·17
Kitope ..	6899	206	34	1·21	16·15
Kipange ..	3722	39	7	·43	17·94
Mlango Kubwa and Ndogo ..	10249	303	32	1·14	10·55
Fufuni ..	10593	375	55	1·42	14·66

Table 19.

Table showing clove-yields from principal plantations from Seasons 1907/08 to 1915/16 (to the end of March 1916).—*contd.*

1911/12

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	3017	440	8·91	14·58
Basra ..	10765	1857	224	6·26	12·06
Dunga ..	3090	1055	145	13·59	13·74
Mahonda ..	6020	850	112	5·59	13·17
Mkanyageni ..	6060	891	94	5·68	10·54
Mbaleni Kubwa ..	6474	1202	167	7·40	13·89
Mbaleni Ndogo ..	4443	707	103	7·08	12·92
Kitope ..	6899	1026	154	5·98	15·00
Kipange ..	3722	570	95	6·25	16·66
Mlango Kubwa and Ndogo ..	10249	1116	212	4·63	18·99
Fufuni ..	10593	1992	474	8·14	23·79

1912/13

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	103	18	·31	17·47
Basra ..	[illegible]	51	7	·18	13·72
Dunga ..	3090	44	9	·60	20·45
Mahonda ..	6020	31	6	·21	19·35
Mkanyageni ..	6060	77	14	·52	18·18
Mbaleni Kubwa ..	6474	38	5	·23	13·16
Mbaleni Ndogo ..	4443	14	2	·12	14·22
Kitope ..	6899	16	3	·09	20·00
Kipange ..	3722	17	3	·18	17·65
Mlango Kubwa and Ndogo ..	10249	76	8	·28	10·53
Fufuni ..	10593	115	20	·44	17·38

1913/14

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	2822	537	8·66	19·02
Basra ..	10765	1046	253	4·22	24·18
Dunga ..	3090	968	168	12·86	17·35
Mahonda ..	6020	454	108	3·26	23·78
Mkanyageni ..	6060	922	211	6·54	22·88
Mbaleni Kubwa ..	6474	982	170	6·03	17·31
Mbaleni Ndogo ..	4443	243	53	2·33	21·81
Kitope ..	6899	459	91	2·79	19·82
Kipange ..	3722	202	31	2·19	15·34
Mlango Kubwa and Ndogo ..	10249	743	145	3·03	19·15
Fufuni ..	10593	3057	627	12·17	20·51

1914/15

Shamba.	No. of bearing trees	Cloves fras.	Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	1998	386	6·14	19·31
Basra ..	10765	2175	494	8·67	22·71
Dunga ..	3090	177	40	2·45	22·59
Mahonda ..	6020	992	145	6·61	14·62
Mkanyageni ..	6060	1041	196	7·14	18·82
Mbaleni Kubwa ..	6474	182	20	1·09	11·00
Mbaleni Ndogo ..	4443	156	30	1·46	19·23
Kitope ..	6899	755	114	4·54	18·54
Kipange ..	3722	486	118	5·68	24·28
Mlango Kubwa and Ndogo ..	10249	1550	257	6·16	16·47
Fufuni ..	10593	7	1½	0·03	21·43

Table 19.

Table showing clove-yields from principal plantations from Seasons 1907/08 to 1915/16 (to the end of March 1916).—*contd.*

Shamba.	No. of bearing trees	Cloves fras.	1915/16 Stems fras.	lbs. per tree	% of stems to cloves
Marseilles ..	13574	1571	318	4·87	20·24
Basra ..	10765	780	193	3·16	24·74
Dunga ..	3090	1189	363	17·58	30·53
Mahonda ..	3020	200	45	1·42	22·50
Mkanyageni ..	6060	935	242	6·80	25·88
Mbaleni Kubwa ..	6474	1319	307	8·79	23·27
Mbaleni Ndogo ..	4443	335	70	3·19	20·89
Kitope ..	6899	446	101	2·77	22·64
Kipange ..	3722	481	79	5·99	16·42
Mlango Kubwa and Ndogo ..	10249	916	162	3·68	17·68
Fufuni ..	10593	2751	365	10·29	13·26

Table 20.

Expenditure on Cultivation for the past 13 years.

Year	Bearing cloves acres	Young cloves acres	Total clove area acres	Bearing coconuts acres	Young coconuts acres	Total coconut area acres	Total area under trees acres	Cultivation estimate bearing trees Rs.	Cultivation estimate young trees Rs.	Total estimate Rs.	Equal to per acre Rs.
1903	1130	..	1130	1305	625	2030	3160	6000	..	6000	1.9
1904	1130	140	1270	1305	1112	3142	4412	5000	..	5000	1.6
1905	1130	325	1595	1305	910	4052	5647	13000	..	13000	2.3
1906	1130	499	2094	1305	1150	5202	7296	13000	..	13000	1.7
1907	1130	346	2440	1305	1218	6420	8860†	18000	..	18000	2.2
1908	1130	712	3152	1305	493	6913	10065†	105000	12000	117000	12.3
1909	1130	526	3678	1305	489	7402	11080††	88000	6300	94300	10.8
1910	1130	..	3678	1305	1458	8860	12538‡	53000	11600	64600	5.8
1911	1130	..	3678	1305	100	8960	12638‡	50000	6000	56000	5.0
1912	1130	..	3678	1305	150	9110	12788‡	47000†††	5000	52000	4.6
1913	1130	..	3678	1305	350	9460	13138‡	53000	10000	63000	5.4
1914	1130	..	3678	..	..	9460	13138‡	48000	5000	53000	4.5
1915	1130	..	3678	..	..	9610	13138*	52500	7500	60000	5.1

† 578 acres leased in 1906.
†† 2370 acres leased in 1909.
‡ 1526 acres remaining in lease (1422 acres recovered by forfeiture).
††† Rs. 11,000 granted by Special Warrants in addition, bringing the total up to Rs. 63,000, or an allowance of Rs. 5·6 per acre.
* 140 acres came out of lease in 1914.

Table 21.

Clove Crops from Government Plantations.

Year	Z'bar.	Pemba	Total	Season	Total crop	Percentage of Govt. to whole	Year	Z'bar.	Pemba	Total	Season	Total crop	Percentage of Govt. to whole
1899	..	..	12433	..	..	..	1908	57	1581	1638	1908-09	18743	4·61
1900	..	..	2632	..	..	..	1909	15323	4745	20058	1909-10	11073	2·82
1901	..	..	2993	..	..	..	1910	3468	1182	4650	1910-11	2155	1·12
1902	..	..	..	1902-03	12942	3·02	1911	4775	3857	8632	1911-12	21461	2·80
1903	10596	2106	12702	1903-04	1872	8·41	1912	10983	1268	12251	1912-13	1679	1·24
1904	756	5039	5795	1904-05	7986	1·05	1913	10429	4473	14866	1913-14	15018	2·06
1905	3288	1335	4623	1905-06	12869	4·41	1914	5444	985	6429	1914-15	16884	3·21
1906	12002	3403	15406	1906-07	4612	1·77	1915	14738	4980	19719	1915-16	15473	2·06*
1907	7680	4528	12308	1907-08	12071	1·59							

* To 21st March, 1916.

Table 22.

Table showing the Rents for licencing coconuts: from 1910 to 1915 inclusive.

Shamba.	No. of coconut trees: stock of 1910.	1910	1911	Licence 1912	Rent 1913	1914	1915	1916	Average gross receipts previous to licencing: 1907 to 1909 inclusive.	Average No. of nuts picked p. a. in 3 years previous to licencing.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Basra ...	1787	1,200	1,550	2,000	2,600	2,950	2,100	2,200	1,047	34200
Bet-el-ras ...	4585	In lease			6,800	7,800	6,510	6,500	2,742	86300
Bomani ...	1149	In lease		In lease	In lease		1,070	825	leased in 1909	leased in 1909
Bumbwi Kizimbani ...	437	290	310	350	325	580	350	410	217	...
Bumbwi Sudi ...	1080	600	660	700	850	875	600	660	379	...
Chukwani ...	6080	...	3,260	4,050	4,000	4,125	4,500	4,400	1,980	75300
Chuini (Kib. Mzungu) ...	1479		In lease		1,110	1,220	1,160	710	453	...
Donge ...	299		In lease		300	370	Sold in 1914		130	...
Dunga ...	3746	‡	1,800	1,600	3,000	4,525	4,220	4,300	846	27876
El-Hathra ...	725	616	675	890	1,050	1,210	1,070	800	460	...
Gulioni ...	7	Private property		‡	10	12	17	19	Private property	...
Kibonde Mzungu ...	3121	leased	2,200	2,400	2,740	3,780	2,600	2,050	leased	...
Kichwele ...	119	‡	‡	‡	...	125	50	40	55	...
Kidichi ...	5198	leased	5,850	6,400	6,450	8,950	6,000	5,800	2,933	...
Kilimani ...	120	In lease			335	400	330	250	leased	...
Kinuni Mdo ...	858	leased	800	900	1,290	1,635	1,225	850	228	...
Kinuni Moshi ...	272	80	100	116	140	270	255	210	62	...
Kipange ...	399	500	500	600	670	1,000	520	550	332	...
Kisaoni ...	2700	In lease		In lease	In lease	In lease	3,805	3,000	leased	...
Kibweni part II of Kichchi...	722	...	...	...	...	...	...	1,000	...	...
Koani ...	2753	...	...	...	...	...	...	2,360	...	...
Kitope ...	1048	leased	1,260	1,260	1,070	1,690	1,020	1,010	987	...
Kizimbani Kubwa ...	1709	1,450	1,600	1,850	2,020	3,360	2,375	1,750	1,041	...
Kizimbani Ndogo ...	726	leased	710	1,224	1,360	1,600	1,115	800	leased	...
Mahonda ...	1335	1,000	1,000	1,000	1,020	2,375	1,300	900	591	...
Manyami ...	529	410	440	560	565	800	620	600	264	...
Market ...	...	‡	‡	‡	13	29	13		with Collectorate	...

Table showing the Rents for licencing coconuts: from 1910 to 1915 inclusive.

Shamba.	No. of coconut trees: stock of 1910.	1910	1911	1912	1913	1914	1915	1916	Average gross receipts previous of licencing: 1907 to 1909 inclusive.	Average No. of nuts picked p. a. in 3 years previous to licencing.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Marhubi Inside ...	125	...	...	230	375	490	310	270	with H. H.	...
Marhubi Outside ...	1972	In lease		2,000	2,740	3,200	2,550	2,350	1,592	41800
Marseilles ...	3945	3,285	3,350	4,394	4,810	6,915	5,700	5,750	2,027	76400
Mazizini ...	671		leased		1,455	2,115	2,025	1'600	926	...
Mbaleni Kubwa ...	822		930	930	975	1,600	1,080	825	407	...
Mbaleni Ndogo ...	890	1,020	1,025	1,090	530	925	680	615	750	...
Mgongowagamia ...	429	220	250	255	295	430	370	300	101	...
Mianzini ...	110		180	210	260	385	310	180	144	...
Migombani ...	350		leased		430	465	475	320	33	...
Migombani Gardens ...	5	...	...	...	12	14	6	5	In lease	...
Miwani ...	1334	In lease		1,940	1,850	2,675	1,850	1,400	966	...
Mkanyageni ...	642	640	650	6[illegible]0	6[illegible]0	1,12[illegible]	810	410	438	...
Mlango Kubwa ...	1171	1,100	1,200	1,8[illegible]0	1,800	2,25[illegible]	1,275	1,500	761	...
Mlango Ndogo ...	398	300	400	4[illegible]5	4[illegible]0	85[illegible]	505	510	218	...
Mtoni ...	5020	3,700	4,225	4,700	4,7[illegible]0	7,77[illegible]	6,010	5,400	3707	110250
Mwanakwrekwe ...	417	...	350	475	560	1,23[illegible]	Sold		In lease	...
Nyamgombe ...	724	In lease		600	7[illegible]0	1,79[illegible]	1,370	1,010	In lease	...
Pangeni and Ngonjoni ...	763	550	550	560	6[illegible]0	750	550	525	was included in Kitope	
Pigaduli ...	...	...	...	...	...	...	14	15		...
Sebleni ...	225		170	170	1,805	970	250	175	187	...
Selem ...	4355	4,980	5,000	5,600	5,650	7,425	6,376	5,800	3,486	...
Welezo and Chumbuni ...	645	...	200	224	203	225	115	60	158	...
Wireless Station ...	...	Included	in	Migombani	...	205	150	90	Included in Migombani	...
Zeewani ...	1021	...	...	...	...	...	...	300		...

‡ Nuts were picked by the Government.

Table 23.

Leased Plantations.

No.	Name of plantation.	Name of Lessee.	Date of lease.	Term.	Date of expiry.	Rent p.a. Rs.
1.	Bet-el-mali-kubwa	G. B. Ennis ...	1 6 06	25 years	31 5 31	2,600
2.	Bet-el-mali-ndogo	Hakam Kariksing ...	23 9 09	13 „	22 9 22	340
3.	Chwaka Verein	L. Wagner ...	1 4 01	50 „	31 3 51	15
4.	Darajani	Hamed b. Mohamed ...	17 7 06	10 „	16 7 16	900
5.	Kama	Salim bin Khamis ...	4 10 09	10 „	3 10 19	425
6.	Kibweni (part of Kidichi 1)	Seif bin Said ...	10 7 06	50 „	9 7 56	250
7.	Kitumba	Hilal bin Salim ...	22 10 09	13 „	21 10 22	900
8.	Mwembeladu	Mfaume bin Kanga and Juma bin Hatibu ...	21 9 09	13 „	20 9 22	700
9.	Mkunguni	Mohamed bin Miraj ...	21 9 09	13 „	20 9 22	600
10.	Mpapa	Kasam Devji and Hamed bin Masud ...	22 9 09	13 „	21 9 22	2,000
11.	Nyanjalle	Salim bin Khamis ...	4 10 09	10 „	3 10 19	675
12.	Sebleni	Abdui Hoosein Pishori...	15 4 10	10 „	14 4 20	30
13.	Kinaoni	Kasam Devji ...	20 8 09	13 „	19 8 22	2,200
14.	Mwera Bridge	Mwalim Suleman bin Mbaruk ...	1 1 16	1 „	31 12 16	70
15.	Kidogobassi	Mwalim Suleman bin Mbaruk ...	1 1 16	1 „	31 12 16	60
16.	Tundaua (Pemba)	Abdullah Devji ...	19 4 10	8 „	18 4 18	5,125
		Total ...				16,890

Table 24.

Fires on Government Plantations: Table of trees destroyed.

Bearing coconut trees	...	1
Unbearing coconut trees	...	43
Mango trees	...	1

Table 25.

Public Gardens Department Revenue and Expenditure, 1915.

Expenditure.

Sub-head	Estimate Rs	Actual Rs.
Personal Emoluments ...	2,904	2,210
Contingencies	432	335
Electric Lighting of Hall etc. ...	750	132
Maintenance of Gardens etc. ...	4,800	4,582
3 Water Barrels.	150	...
Total Rs....	9,036	7,259

Revenue.

From all sources	292